

291890474

## PATENT COOPERATION TREATY

PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

REC'D 22 NOV 2001

(PCT Article 36 and Rule 70)

3

|  |   |  |
|--|---|--|
| Applicant's or agent's file reference<br>PAVL 101  | FOR FURTHER ACTION      See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |  |
| International application No.<br>PCT/US01/03366  | International filing date (day/month/year)<br>01 FEBRUARY 2001  | Priority date (day/month/year)<br>03 FEBRUARY 2000 |
| International Patent Classification (IPC) or national classification and IPC<br>IPC(7): H02P 9/00 and US Cl.: 290/1R |   |  |
| Applicant<br>PAVLYKIVSKYJ, MYKHAILO  |   |  |

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 3 sheets.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:

- I  Basis of the report
- II  Priority
- III  Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV  Lack of unity of invention
- V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI  Certain documents cited
- VII  Certain defects in the international application
- VIII  Certain observations on the international application

RECEIVED  
MAR - 7 2002  
TECHNOLOGY CENTER 2800

|  |   |
|--|---|
| Date of submission of the demand<br>29 AUGUST 2001   | Date of completion of this report<br>24 SEPTEMBER 2001  |
| Name and mailing address of the IPEA/US<br>Commissioner of Patents and Trademarks<br>Box PCT<br>Washington, D.C. 20231<br>Facsimile No. (703) 305-3230 | Authorized officer<br>NICHOLAS PONOMARENKO<br>Telephone No. (703) 308-1776 <i>Renée Proctor</i> |

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US01/03366

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

 the international application as originally filed the description:pages 1-8 \_\_\_\_\_, as originally filed  
pages NONE \_\_\_\_\_, filed with the demand  
pages NONE \_\_\_\_\_, filed with the letter of \_\_\_\_\_ the claims:pages 9-10 \_\_\_\_\_, as originally filed  
pages NONE \_\_\_\_\_, as amended (together with any statement) under Article 19  
pages NONE \_\_\_\_\_, filed with the demand  
pages NONE \_\_\_\_\_, filed with the letter of \_\_\_\_\_ the drawings:pages 1-4 \_\_\_\_\_, as originally filed  
pages NONE \_\_\_\_\_, filed with the demand  
pages NONE \_\_\_\_\_, filed with the letter of \_\_\_\_\_ the sequence listing part of the description:pages NONE \_\_\_\_\_, as originally filed  
pages NONE \_\_\_\_\_, filed with the demand  
pages NONE \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

 the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

 contained in the international application in printed form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.4.  The amendments have resulted in the cancellation of: the description, pages NONE the claims, Nos. NONE the drawings, sheets/fig NONE5.  This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\*Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US01/03366

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

## 1. statement

|                               |                    |     |
|-------------------------------|--------------------|-----|
| Novelty (N)                   | Claims 1-12        | YES |
|                               | Claims <u>NONE</u> | NO  |
| Inventive Step (IS)           | Claims 1-12        | YES |
|                               | Claims <u>NONE</u> | NO  |
| Industrial Applicability (IA) | Claims 1-12        | YES |
|                               | Claims <u>NONE</u> | NO  |

## 2. citations and explanations (Rule 70.7)

Claims 1-12 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a vehicle energy providing system with a rotor (flywheel) mounted on a generator and attached to the vehicle body that is able to maintain horizontal position.

----- NEW CITATIONS -----

NONE

RECEIVED  
MAR - 7 2002  
TECHNOLOGY CENTER 2800

**PATENT COOPERATION TREATY**

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: ANDREW G. KOLOMAYETS  
COOK, ALEX, MCFARRON, MANZO, CUMMINGS  
& MEHLER, LTD.  
200 WEST ADAMS STREET, SUITE 2850  
CHICAGO IL 60606

**PCT**

**NOTIFICATION OF TRANSMITTAL OF  
INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

(PCT Rule 71.1)

Date of Mailing  
(day/month/year)

**19 NOV 2001**

Applicant's or agent's file reference

PAVL 101

**IMPORTANT NOTIFICATION**

International application No.

PCT/US01/03366

International filing date (day/month/year)

01 FEBRUARY 2001

Priority Date (day/month/year)

03 FEBRUARY 2000

Applicant

PAVLYKIVSKYJ, MYKHAILO

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

NICHOLAS PONOMARENKO

Telephone No. (703) 308-1776 *Renee Preston*

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

|  |   |  |
|--|---|--|
| Applicant's or agent's file reference<br>PAVL 101  | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |  |
| International application No.<br>PCT/US01/03366  | International filing date (day/month/year)<br>01 FEBRUARY 2001  | Priority date (day/month/year)<br>03 FEBRUARY 2000 |
| International Patent Classification (IPC) or national classification and IPC<br>IPC(7): H02P 9/00 and US Cl.: 290/1R |   |  |
| Applicant<br>PAVLYKIVSKYJ, MYKHAILO  |   |  |

|  |
|--|
| <p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>0</u> sheets.</p> <p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li>I <input checked="" type="checkbox"/> Basis of the report</li> <li>II <input type="checkbox"/> Priority</li> <li>III <input type="checkbox"/> Non-establishment of report with regard to novelty, inventive step or industrial applicability</li> <li>IV <input type="checkbox"/> Lack of unity of invention</li> <li>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li>VI <input type="checkbox"/> Certain documents cited</li> <li>VII <input type="checkbox"/> Certain defects in the international application</li> <li>VIII <input type="checkbox"/> Certain observations on the international application</li> </ul> |
|--|

|  |   |
|--|---|
| Date of submission of the demand<br>29 AUGUST 2001   | Date of completion of this report<br>24 SEPTEMBER 2001  |
| Name and mailing address of the IPEA/US<br>Commissioner of Patents and Trademarks<br>Box PCT<br>Washington, D.C. 20231<br>Facsimile No. (703) 305-3230 | Authorized officer<br>NICHOLAS PONOMARENKO<br>Telephone No. (703) 308-1776 <i>Renee Proctor</i> |

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US01/03366

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

 the international application as originally filed the description:pages 1-8, as originally filed  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_ the claims:pages 9-10, as originally filed  
pages NONE, as amended (together with any statement) under Article 19  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_ the drawings:pages 1-4, as originally filed  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_ the sequence listing part of the description:pages NONE, as originally filed  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.  
These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is: the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

 contained in the international application in printed form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.4.  The amendments have resulted in the cancellation of: the description, pages NONE the claims, Nos. NONE the drawings, sheets/fig NONE5.  This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US01/03366

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. statement

Novelty (N)

Claims 1-12 YESClaims NONE NO

Inventive Step (IS)

Claims 1-12 YESClaims NONE NO

Industrial Applicability (IA)

Claims 1-12 YESClaims NONE NO

## 2. citations and explanations (Rule 70.7)

Claims 1-12 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a vehicle energy providing system with a rotor (flywheel) mounted on a generator and attached to the vehicle body that is able to maintain horizontal position.

----- NEW CITATIONS -----

NONE

6

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: ANDREW G. KOLOMAYETS  
 COOK, ALEX, MCFARRON, MANZO, CUMMINGS  
 & MEHLER, LTD.  
 200 WEST ADAMS STREET, SUITE 2850  
 CHICAGO IL 60606

PCT

NOTIFICATION OF TRANSMITTAL OF  
 THE INTERNATIONAL SEARCH REPORT  
 OR THE DECLARATION

(PCT Rule 44.1)

|   |  |   |             |
|---|--|---|-------------|
|   |  | Date of Mailing<br>(day/month/year)                               | 09 APR 2001 |
| Applicant's or agent's file reference<br><br>PAVL 101 |  | FOR FURTHER ACTION See paragraphs 1 and 4 below                   |             |
| International application No.<br><br>PCT/US01/03366   |  | International filing date<br>(day/month/year)<br>01 FEBRUARY 2001 |             |
| Applicant<br><br>PAVLYKIVSKYI, MYKHAILO               |  |   |             |

|  |  |  |  |
|--|--|--|--|
| <p>1. <input checked="" type="checkbox"/> The applicant is hereby notified that the international search report has been established and is transmitted herewith.</p> <p><b>Filing of amendments and statement under Article 19:</b><br/>         The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):</p> <p><b>When?</b> The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.</p> <p><b>Where?</b> Directly to the International Bureau of WIPO<br/>         34, chemin des Colombettes<br/>         1211 Geneva 20, Switzerland<br/>         Facsimile No.: (41-22) 740.14.35</p> <p>For more detailed instructions, see the notes on the accompanying sheet.</p>   |  |  |  |
| <p>2. <input type="checkbox"/> The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.</p>  |  |  |  |
| <p>3. <input type="checkbox"/> With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:</p> <p><input type="checkbox"/> the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.</p> <p><input type="checkbox"/> no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.</p>  |  |  |  |
| <p>4. Further action(s): The applicant is reminded of the following:</p> <p>Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.</p> <p>Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).</p> <p>Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.</p> |  |  |  |

|   |  |
|---|--|
| Name and mailing address of the ISA/US<br><br>Commissioner of Patents and Trademarks<br>Box PCT<br>Washington, D.C. 20231<br><br>Facsimile No. (703) 305-3230 | Authorized officer<br><br>NICHOLAS PONOMARENKO<br><br>Telephone No. (703) 308-1776 <i>Renee Prudon</i> |
|---|--|

(See notes on accompanying sheet)

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

|   |   |   |
|---|---|---|
| Applicant's or agent's file reference<br>PAVL 101 | FOR FURTHER ACTION<br>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. |   |
| International application No.<br>PCT/US01/03366   | International filing date (day/month/year)<br>01 FEBRUARY 2001  | (Earliest) Priority Date (day/month/year)<br>03 FEBRUARY 2000 |
| Applicant<br>PAVLYKIVSKYJ, MYKHAILO               |   |   |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
 the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

contained in the international application in written form.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority in written form.  
 furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the  
 the  
 the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2.  Certain claims were found unsearchable (See Box I).3.  Unity of invention is lacking (See Box II).

## 4. With regard to the title,

the text is approved as submitted by the applicant.  
 the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

the text is approved as submitted by the applicant.  
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 3

as suggested by the applicant.  
 because the applicant failed to suggest a figure.  
 because this figure better characterizes the invention.

None of the figures.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/03366

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :H02P 9/00

US CL :290/1R

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 290/1R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPTO APS EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | US 5,514,923 A (GOSSLER et al) 07 March 1996 (07.03.1996), see entire document.    | 1-12                  |
| A         | US 4,473,753 A (IZUMI et al) 25 September 1984 (25.09.1984), see entire document.  | 1-12                  |
| A         | US 4,454,463 A (POPESCU) 12 June 1984 (12.06.1984), see entire document.           | 1-12                  |
| A         | US 4,423,794 A (BECK) 03 January 1984 (03.01.1984), see entire document.           | 1-12                  |
| A         | US 4,218,624 A (SCHIAVONE) 19 August 1980 (19.08.1980), see entire document.       | 1-12                  |

Further documents are listed in the continuation of Box C.

See patent family annex.

|     |   |  |
|-----|---|--|
| •   | Special categories of cited documents:  |  |
| "A" | document defining the general state of the art which is not considered to be of particular relevance  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
| "E" | earlier document published on or after the international filing date  | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |
| "L" | document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" | document referring to an oral disclosure, use, exhibition or other means  | "&" document member of the same patent family  |
| "P" | document published prior to the international filing date but later than the priority date claimed  |  |

Date of the actual completion of the international search  
08 MARCH 2001

Date of mailing of the international search report

09 APR 2001

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231  
Facsimile No. (703) 305-3230

Authorized officer

NICHOLAS PONOMARENKO

Telephone No. (703) 308-1776

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Date of mailing (day/month/year)

14 November 2001 (14.11.01)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
 CP2/5C24  
 Arlington, VA 22202  
 ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

International application No.

PCT/US01/03366

Applicant's or agent's file reference

PAVL 101

International filing date (day/month/year)

01 February 2001 (01.02.01)

Priority date (day/month/year)

03 February 2000 (03.02.00)

Applicant

PAVLYKIVSKYJ, Mykhailo

1. The designated Office is hereby notified of its election made:

in the demand filed with the International Preliminary Examining Authority on:

29 August 2001 (29.08.01)

in a notice effecting later election filed with the International Bureau on:

2. The election  was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Brigitte WYSS (Fax 338.87.40)

Telephone No.: (41-22) 338.83.38